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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,010	08/31/2001	Dumitru Mihai Ionescu	NC17524 (NOKI02-17524)	1618
30973 7:	590 05/28/2003			
SCHEEF & STONE, L.L.P.			EXAMINER	
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DALLAS, TX 75225			ART UNIT	DAREN AND AND AND AND AND AND AND AND AND AN
			ARTONII	PAPER NUMBER
			2631	Ч
	,		DATE MAILED: 05/28/2003	ľ

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	09/945,010	IONESCU, DUMITRU MIHAI			
Office Action Summary	Examiner	Art Unit	_		
	Dung X Nguyen	2631			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet w	ith the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a within the statutory minimum of thi will apply and will expire SIX (6) MO cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status	A 0004				
1) Responsive to communication(s) filed on 31.4	···				
,	is action is non-final.	the second secon			
3) Since this application is in condition for allows closed in accordance with the practice under Disposition of Claims					
4)⊠ Claim(s) <u>1 - 18</u> is/are pending in the application	on.	, i			
4a) Of the above claim(s) is/are withdraw	•				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1 and 15</u> is/are rejected.					
7) Claim(s) 2 - 14 and 16 - 18 is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.				
Application Papers					
9)⊠ The specification is objected to by the Examine	۲.				
10)⊠ The drawing(s) filed on <u>31 August 2001</u> is/are:	a)□ accepted or b)⊠ obje	cted to by the Examiner.			
Applicant may not request that any objection to th					
11) The proposed drawing correction filed on		disapproved by the Examiner.			
If approved, corrected drawings are required in re	, -				
12) The oath or declaration is objected to by the Ex	aminer.				
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority document					
 3. Copies of the certified copies of the prio application from the International Bu * See the attached detailed Office action for a list 	ireau (PCT Rule 17.2(a))				
14) ☐ Acknowledgment is made of a claim for domest	ic priority under 35 U.S.C	. § 119(e) (to a provisional application).			
a) The translation of the foreign language pro					
Attachment(s)	, , , , , , , , , , , , , , , , , , , ,				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) f Informal Patent Application (PTO-152)			

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Art Unit: 2631

Specification

- 1. "ATTORNEY DOCKET NC17524" and "PATENT" on the top of the specification must be deleted.
- 2. In page 1, line 2, the S/N and the date must be fulfilled.

Drawing Objection

3. Figure 1 is objected and should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claims 1 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Raleigh et al. (US patent # 6,452,981 B1).

Regarding claim 1, Raleigh et al. discloses (figure 1 and 22):

- Encoder 10 coupled to receive input data 2 (figure 1);
- Encoded form (10, 30 of figure 22) forming of a recursive, space-time code (column 1, lines 66-67, column 5, lines 52-55, and column 33, lines 2-20), the codeword complying with eigenvalue TSW 210A-210B (column 24, lines 3-10).

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Regarding claim 15, the limitations are analyzed in the same manner set forth as claim 1.

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Allowable Subject Matter

6. Claims 2 - 14 and 16 - 18 are objected to as being dependent upon a rejected base claim,

but would be allowable if rewritten in independent form including all of the limitations of the

base claim and any intervening claims.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Alamouti et al. (U.S. Patent No. 6,185,258 B1) discloses a transmitter diversity technique

for wireless communication.

Contact Information

7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dung X. Nguyen whose telephone number is (703) 305-4892.

The examiner can normally be reached on Monday through Friday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mr. Chi Pham can be reached on (703) 305-4378. The fax number for this group is

(703) 872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 305-4700.

DXN

May 9, 2003

CHI PHAM

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2600 /27/5-3